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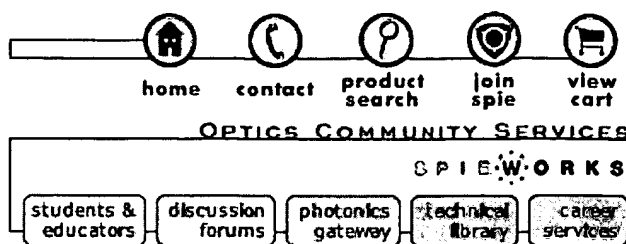
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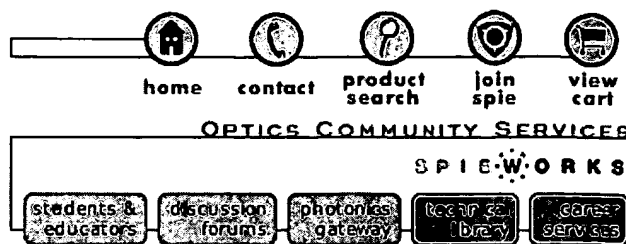
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Sezan, M. I., Yip, K. L., Daly, S. J.,

**Publication:** Medical Imaging, SPIE Proceedings Vol. 767. Edited by Samuel J. Dwyer, III and Robert H. Schneider. Bellingham, WA: Society for Photo-Optical Instrumentation Engineers, 1987., p.622**Publication Date:** 1/1987**Abstract:**  
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Charles Daly , Jane Horgan , James Power , John Waldron  
**Proceedings of the 2001 joint ACM-ISCOPE conference on Java Grande** June 2001

In this paper we present a platform independent analysis of the dynamic profiles of Java programs when executing on the Java Virtual Machine. The Java programs selected are taken from the Java Grande Forum benchmark suite, and five different Java-to-bytecode compilers are analysed. The results presented describe the dynamic instruction usage frequencies, as well as the sizes of the local variable, parameter and operand stacks during execution on the JVM.

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Doug DeCarlo , Anthony Santella  
**ACM Transactions on Graphics (TOG) , Proceedings of the 29th annual conference on Computer graphics and interactive techniques** July 2002  
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 Good information design depends on clarifying the meaningful structure in an image. We describe a computational approach to stylizing and abstracting photographs that explicitly responds to this design goal. Our system transforms images into a line-drawing style using bold edges and large regions of constant color. To do this, it represents images as a hierarchical structure of parts and boundaries computed using state-of-the-art computer vision. Our system identifies the meaningful elements of ...
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W. A. van de Grind  
**Proceedings of the 1986 workshop on Interactive 3D graphics** January 1987  
 One important message of this paper is that vision research is highly relevant to 3D graphics technology and that modern electronic graphical systems can and soon will strongly stimulate the further development of vision science. First an outline is given of ecological optics, the discipline trying to describe the visual information available to an active (mobile, structure-seeking) observer. Whereas ecological optics describes the available visual structure, the observables, psychophysics ...
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Anthony Santella , Doug DeCarlo  
**Proceedings of the second international symposium on Non-photorealistic animation and rendering** June 2002  
 When used by artists, manual interfaces for painterly rendering can yield very satisfying abstract transformations of images. Automatic techniques produce interesting paintings as well, but can only recast pictures in a different style without performing any abstraction. At best, information is removed uniformly across the



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### 1 Detecting critical regions in scalar fields 100%



Gunther H. Weber , Gerik Scheuermann , Bernd Hamann

**Proceedings of the symposium on Data visualisation 2003** May 2003

Trivariate data is commonly visualized using isosurfaces or direct volume rendering. When exploring scalar fields by isosurface extraction it is often difficult to choose isovalues that convey "useful" information. The significance of visualizations using direct volume rendering depends on the choice of good transfer functions. Understanding and using isosurface topology can help in identifying "relevant" isovalues for visualization via isosurfaces and can be used to automatically generate trans ...

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Ralf Hartmut Güting , Markus Schneider

**The VLDB Journal – The International Journal on Very Large Data Bases** April 1995

Volume 4 Issue 2

Spatial data types or algebras for database systems should (1) be fully general, that is, closed under set operations, (2) have formally defined semantics, (3) be defined in terms of finite representations available in computers, (4) offer facilities to enforce geometric consistency of related spatial objects, and (5) be independent of a particular DBMS data model, but cooperate with any. We present an algebra that uses *realms* as geometric domains underlying spatial data types. A realm, a ...

### 3 Face recognition: A literature survey 100%



W. Zhao , R. Chellappa , P. J. Phillips , A. Rosenfeld

**ACM Computing Surveys (CSUR)** December 2003

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2000		
5		Wenjun Zeng, Scott Daly, Shawmin Lei: Point-Wise Extended Visual Masking for JPEG-2000 Image Compression. <a href="#">ICIP 2000</a>
4		Wenjun Zeng, Scott Daly, Shawmin Lei: Visual Optimization Tools in JPEG 2000. <a href="#">ICIP 2000</a>
1998		
3		Scott Daly, Kristine E. Matthews, Jordi Ribas-Corbera: Face-based Visually-Optimized Image Sequence Coding. <a href="#">ICIP (3) 1998</a> : 443-447
2		Scott Daly, Jack Van Oosterhout, William Kress: Improving Color Text Sharpness in Images with Reduced Chromatic Bandwidth. <a href="#">PICS 1998</a> : 386-390
1994		
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EUROCON 2003. Computer as a Tool. The IEEE Region 8 , Volume: 2 , 22-24 2003

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[\[Abstract\]](#)   [\[PDF Full-Text \(529 KB\)\]](#)   IEEE CNF**2 Visual adaptation and the relative nature of perception***Webster, M.A.;*

Image Processing, 2001. Proceedings. 2001 International Conference on , Vol 2 , 7-10 Oct. 2001

Pages:8 - 11 vol.2

[\[Abstract\]](#)   [\[PDF Full-Text \(408 KB\)\]](#)   IEEE CNF**3 Face-based visually-optimized image sequence coding***Daly, S.; Matthews, K.; Ribas-Corbera, J.;*

Image Processing, 1998. ICIP 98. Proceedings. 1998 International Conference on , 4-7 Oct. 1998

Pages:443 - 447 vol.3

[\[Abstract\]](#)   [\[PDF Full-Text \(699 KB\)\]](#)   IEEE CNF**4 Rotation invariant neural network-based face detection***Rowley, H.A.; Baluja, S.; Kanade, T.;*

Computer Vision and Pattern Recognition, 1998. Proceedings. 1998 IEEE Computer Society Conference on , 23-25 June 1998

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*Sutherland, K.; Renshaw, D.; Denyer, P.B.;*

Intelligent Systems Engineering, 1992., First International Conference on (Co Publ. No. 360) , 19-21 Aug 1992

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**2 Model-assisted coding of video teleconferencing sequences at low bit rates**
*Eleftheriadis, A.; Jacquin, A.;*

Circuits and Systems, 1994. ISCAS '94., 1994 IEEE International Symposium on , Volume: 3 , 30 May-2 June 1994

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**3 An automatic system for model-based coding of faces**
*Moghaddam, B.; Pentland, A.;*

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**4 Matching pursuit filters applied to face identification**
*Phillips, P.J.;*

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#### 1 A highly efficient system for automatic face region detection in MPEG video

*Hualu Wang; Shih-Fu Chang;*

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#### 2 Face location in wavelet-based video compression for high perceptual quality videoconferencing

*Jiebo Luo; Chang Wen Chen; Parker, K.J.;*

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#### 3 Affine-structure-based facial image encoding

*Chatterjee, S.; Banerjee, S.; Biswas, K.K.;*

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#### 4 Face segmentation and facial feature tracking for videophone applications

*Kwok-Wai Wong; Kin-Man Lam; Wan-Chi Siu; Kai-Ming Tse;*

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**1 Vision-based strategy to reduce the perceived color misregistration image-capturing devices**
*Xiao-Fan Feng; Daly, S.;*

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**4 Improved display resolution of subsampled colour images using sul addressing**
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**1 A Bayes decision test for detecting uncovered-background and moving pixels in image sequences**
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**3 Simultaneous parameter estimation and object segmentation from image sequences**
*Matthews, K.E.; Namazi, N.M.;*

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*Chellapa, R.; De Mori, R.; Giannakis, G.B.; Musmann, H.G.; Ney, H.; Smith, I. Treichler, J.; Zoltowski, M.D.;*  
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Pages:865 - 868 vol.2[\[Abstract\]](#)   [\[PDF Full-Text \(440 KB\)\]](#)   IEEE CNF**2 Detection of eyes from human faces by Hough transform and separability filter***Kawaguchi, T.; Hidaka, D.; Rizon, M.;*Image Processing, 2000. Proceedings. 2000 International Conference on , Volume: 1 , 10-13 Sept. 2000  
Pages:49 - 52 vol.1[\[Abstract\]](#)   [\[PDF Full-Text \(352 KB\)\]](#)   IEEE CNF**3 Facial feature extraction and image-based face drawing***Hao Wang; Kongqiao Wang;*Signal Processing, 2002 6th International Conference on , Volume: 1 , 26-30 2002  
Pages:699 - 702 vol.1[\[Abstract\]](#)   [\[PDF Full-Text \(353 KB\)\]](#)   IEEE CNF**4 Detection and tracking of facial features in real time using a synerg approach of spatio-temporal models and generalized Hough-transform techniques***Schubert, A.;*



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*Adachi, Y.; Imai, A.; Ozaki, M.; Ishii, N.;*

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